agacttcatt tccacggtca c 141

<210> 179
<211> 478
<212> DNA
<213> Pinus taeda

<400> 179
aggtgaccgt aagatcaaga gcacagaaag cagccatagc cccgcccatt gaatgcccat 60
aacaataatc tgtaacccat ctctctgttt ctgagctttc tgaactgctt ctacaacagt 120
ggtcgtaagg ttgtgttgtg ataagcagag taaaatccat aatgtaccat tgcaccagca 180
tattaggata gttgagatca agtgtcttac agaataaatc ctccacccaa ttctgtagct 240
cctttcttga gtacccctga atgcaattac aattgcattg atatcttctg ccacaccaca 300
aaagcctgaa ggcagtgttg tacatcaact ataagctcta ccacctgaaa accccagtca 360
aaccattgca cctagaacaa gtccaagaca ttagagcact caaatcatcc ataagaccgc 420
agaagcatat tgcacaagta tctcagcaag tgttcgatta tagacatggc caggtcac 478

<210> 180
<211> 381
<212> DNA
<213> Pinus taeda

<220>
<221> modified_base
<222> (58)
<223> a, t, c, g, other or unknown

<400> 180
aggtgaccgt gggaggggag atttttgatt tatatttcca atataaaaga aaatctangt 60
tgtaaggaca tggcaagagc tcttatttcc ggggttttag ccgtggcccg gagcggatga 120
aagcaaatgt aagtcactcc gtgctttctc ggcatttgga cgcttctact ctaccgcact 180
acagacggga ttgaacctcg catctctgag tgtttggtcg tttacatggc ggacttgttc 240
cgcacctctg cggacgtcaa atgccgcgac gataatccct ttgagaacag cgatacggca 300
gaaagatcgc cgttgacgaa gcgagaaaac tattgagact tgcagatgtg gagctgaaga 360
agagcttgag tcgacggtca c 381

<210> 181
<211> 521
<212> DNA
<213> Pinus taeda

<400> 181
aggtgaccgt ccgttcgggg tgtattgtcg aacacgtagg atggtgctac gttgaaacca 60
ccgttacctt cttcgatatg ttatagttcg agttcatacg gagggaatac cgtttgtagt 120
gttattcagc acaaccccgt cctgattaaa caccccgca accaaggacg tattcgacgt 180
tcggtattgt ttgacacact caagttataa ccctgaatag gcgctacccg aagtaagcat 240
tgtaccagtc gttatttttg ccttcgtatt gcgaaggatt ttgaaatata tccggacagg 300
ctgcaaccga tcttcataaa actctttctt aaactgagca aactgaacag cattagcatt 360
ttgacccgac ctttcatcgg cacctgctgc acacccgcat acgtattaaa gctatgttcg 420
tctggccagg tttgcctttt ttggttgtaa tcaggacaac gccgttagcc gcccgcgatc 480
cgtagagcga cgtagaaagc cgcatctttc agcacggtca c 521

<210> 182
<211> 307

<212> DNA
<213> Pinus taeda

<400> 182
aggtgaccgt gaaatatgtg ggagatgata tgtggtttcc tgaatattca cctcttgtgt 60
agaaaagtga gatccttaag atgttttgct aataagactc ttaggaatgt tggacccctt 120
tcagaatgcc atttgaatag attcaaggtg gtagctgttg cctggggctg ttttagggtt 180
ttaggccatg ctctgtaatt tcattgagtc aaaattggat taactggtgt cttttacctc 240
ataatagcta ctgcagtatt tgtcgatata gcttccctat ttattgactc tccttaggta 300
cggtcac 307

<210> 183
<211> 519
<212> DNA
<213> Pinus taeda

<400> 183
aggtgaccgt ccgttcgggg tgtattgtcg aacacgtagg atggtgctac gttgaaacca 60
ccgttacctt cttcgatatg ttatagttcg agttcatacg gagggaatac cgtttgtagt 120
gttattcagc acaaccccgt cctgattaaa caccccgca accaaggacg tattcgacgt 180
tcggtattgt ttgacacact caagttataa ctctgaatag gcgctacccg aagtaagcat 240
tgtaccaagt cgttattttt gccttcgtac tgcgaaggat tttgaaatat atccgcacag 300
gctgcaactg atcttcgtaa aactctttct taaactgagc aaactgaaca gcatcagcat 360
tttgacccga cctttcatcg gcacctgctg cacacccgca tacgtattaa agcaatgttc 420
gtctggccag gtttgccttt tttggttgta acaggacaac gccgttagcc gccgcgatcc 480
gtagagcgac gtagaagccg catctttcag cacggtcac 519

<210> 184
<211> 629
<212> DNA
<213> Pinus taeda

<400> 184
aggtgaccgt cgtcagaaaa aacgtgattt ccgcaaactt tggatcactc gtatcaatgg 60
gcagctcgtt tgaacggact ttcatactca caattgatgc atggtttgaa gttggctgaa 120
tcgaagtgaa ccgtaaaatg ttggctgact tggctgttaa cgatgcagca gctttcaaac 180
tcttgcagac gcagctaaag ctaagcttgg gtaaataatt aaaaaaagaa ccgaggtttc 240
cttggttctt ttttataact tttaatgaaa agtatgaaga gagaaacagc ctgtcttcta 300
cttatagtat aagataaaag cttgttactg ataagacagc tttcatggta aagcagttaa 360
aaatagggat ttgcgatata atagaaaaaa cagacgttta tgtaaataaa aaacagtaga 420
atggagaaat tatgtcagag aatcgtttgg cttgggatca gtattttgcg gccaggctct 480
cttaatcgct aatcgctcaa cctgtaagcg agccaaaggt ggctccgtat tgtcaaggat 540
aataagggtt atttcaactg ggtacaatgg ctcagtttca gggactggag actgtattga 600
ccaaggagtg cctggtcatt gacggtcac 629

<210> 185
<211> 413
<212> DNA
<213> Pinus taeda

<400> 185
aggtgaccgt ggcggaggtt agggaagttt gacttctcat tttctcacgc actcctctcc 60
tcgtaacctc ggtcgagtcg atggcggctt tttagtcgag tgtgctaacg caccctccgg 120
cctcaaaatt tccagctact cgtatttgat caatgctgaa atcgcgtaat tacgtagtaa 180
taaagcgtaa tgaattctat aatgaagcat gtttctctat agttcatgtg ccgagaggaa 240

taatgaaaat gaggccttat atattatctg gggctcaagg agatgttatc ttttccttcc 300
ttggttagag accgtcaacc ttcacttgat tggataaagc ttcattttgt taaaacctcc 360
aagccagtag atacatacgg taggcacgta ttatggtaga gacatacggt cac 413

<210> 186
<211> 397
<212> DNA
<213> Pinus taeda

<400> 186
aggtgaccgt cctgttgcct aaccgcgaat ccaaatcgac ttgggctgct tcctttcgtg 60
cagatatttc tggtttggac tctagttctt gctcctggaa atcatgcttg agtgctgggt 120
agctgcctcc aagtttggtt gacaggccca ttccttacag cttctctctt ccgcttatga 180
cagagtaatg acaggaattc aacctgacgg atccgtctag ctctcacaag gttgggaccc 240
tgtcttcgag agggttattt cttgagactg ttgactatat tttggatgag ccctcagctc 300
tgtgtactat tgttcatgta ctggatactt tgtaaatgat tttattctgg ttttaccccg 360
gggggggcat tttgactcct gggtttaata cggtcac 397

<210> 187
<211> 467
<212> DNA
<213> Pinus taeda

<400> 187
aggtgaccgt ggaacatgat gattagttct tctgtgggcc aggatgatta gttctctgtg 60
tgactgtggg ccaggatgat tagttctcct gtgacgactg ttggatagga tgattcgtct 120
cctgtggaca ggatgattag ttctcctgtc gaggcaccct acccatgcaa tttgggatca 180
tgggaagtac ctctcatctg atcaatgagt agggaaatgg ggttagggac cattagagta 240
ctatcgatgg acacatcgtt gtatctaccg tcctatgcta ggacgacctc cattgtttgg 300
gattagtgag agtggtatga cactctgaga ctgactttgg gtcagtggag gatgtatgat 360
acatcctcga tcatttcttc ttcttcatag ttcgagcaga gcagagcaca acaggccaag 420
tagtgcaggg tagtgcattt gatggctggg atagtagcga cggtcac 467

<210> 188
<211> 555
<212> DNA
<213> Pinus taeda

<400> 188
aggtgaccgt aaataagatg acccacatgg agtttggccc tagtttccaa ttttaacacc 60
gctctcaact agggagaact ccattcgctg atccatttgt ccgactatac tatctctgca 120
tcagtgccct acactactct gcactgctct gctctactaa accatgaaga agaagaatga 180
ccgagaatgt ctcatgccat tctctattga cctgaagtta gtcctatatg aagagatgtg 240
tcatatcact cttattgacc caaagtcagt tttattgatc ccagatcaat atcacagaga 300
gtgtctcaaa ccactcatac tgatcccaga tcagtttcat tgatcccata tcaaggagat 360
catcctagaa tagggagtac agtagataca atgatgcatc catcaatagt actctatggt 420
ccctaacccc atttccctgc tcattgatca gatgagaggt acttccgatg agcccacact 480
gcatgggtag gatgcctcga catgagaaat aatcatccta tccacaggag acgaatcctc 540
ctgtcccacg gtcac 555

<210> 189
<211> 695
<212> DNA
<213> Pinus taeda